

Converting Colors

XYZ(13.2947, 5.2877, 0.4172)

Have a look what the booklet for
XYZ(13.2947, 5.2877, 0.4172)
contains.

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Color

**XYZ(14.3145, 7.3775,
0.7557)**

Conversions

Conversions Part 1

Format	Color
Hex	9F0003
RGB	159, 0, 3
RGB Percent	62%, 0%, 1%
CMY	0.3765, 0.9999, 0.9882
CMYK	0.00, 1.00, 0.98, 0.38
HSL	359°, 100%, 31%
HSV	359°, 100%, 62%
XYZ	14.3145, 7.3775, 0.7557
YIQ	47.8830, 93.8010, 34.6410

Conversions

Conversions Part 2

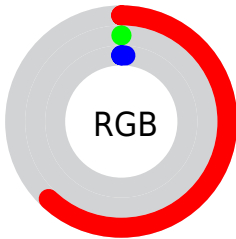
Format	Color
R_{YB}	159, 0, 3
Decimal	10420227
CIE _{Lab}	32.65, 56.32, 45.49
CIE _{LCh}	33, 72.392, 38.927
Yxy	7.3775, 0.6377, 0.3287
Android (android.graphics.Color)	4288610307 (0xFF9F0003)
YUV	47.8830, -22.1273, 97.4496
Hunter-Lab	27.1616, 46.5392, 17.3635

Details

The XYZ color **14.3145, 7.3775, 0.7557** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.4011, 27.1973, 35.7427**, and the grayscale version is **2.8142, 2.9608, 3.2243**.

A 20% lighter version of the original color is **33.1487, 20.6574, 5.2578**, and **4.9298, 2.5414, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **14.3142, 7.3774, 0.7550**, and if you desaturate by 10%, it is **14.5963, 7.7849, 1.3318**.

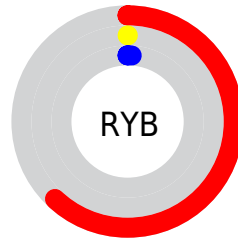
Distribution



Red (62%)

Green (0%)

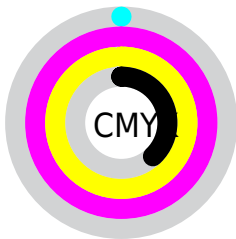
Blue (1%)



Red (62%)

Yellow (0%)

Blue (1%)

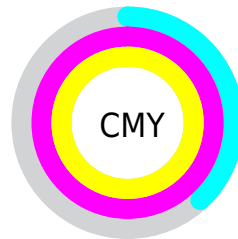


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (38%)



Cyan (38%)


Magenta (100%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 14.3145, 7.3775, 0.7557 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 14.3145, 7.3775, 0.7557 by changing the saturation by 10% instead.


 14.3145, 7.3775,
0.7557


 14.3145, 7.3775,
0.7557


 212.6503,
170.7646, 98.7118


 8.4229, 3.6993,
0.0000


 33.2277, 20.7287,
5.2682


 4.4208, 1.5068,
0.0000

 46.9799, 31.1705,
9.9615


 1.9428, 0.2935,
0.0000

 64.0831, 44.6356,
16.8425

 0.6015, 0.0000,
0.0000


 84.9026, 61.5084,
26.3298


 0.0000, 0.0000,
0.0000


 109.8037, 82.1733,
38.8418


 139.1518,

107.0147, 54.7971


 173.3122,
136.4170, 74.6142


 14.3145, 7.3775,
0.7557


 14.3145, 7.3775,
0.7557


 14.3142, 7.3774,
0.7550

 14.5963, 7.7849,
1.3318

 15.1015, 8.5112,
2.3758

 15.9153, 9.6910,
4.0276

 17.0763, 11.3819,
6.3604

 18.6176, 13.6331,
9.4372

■ 20.5682, 16.4879,
13.3137

■ 22.9546, 19.9854,
18.0404

■ 25.8007, 24.1614,
23.6635

■ 29.1290, 29.0491,
30.2261

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.9107, 7.3775, 5.2184



14.3145, 7.3775, 0.7557



9.9607, 7.3775, 0.0000

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.3145, 7.3775, 0.7557



2.1842, 7.3775, 2.6353



8.2004, 7.3775, 51.0735

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



14.3145, 7.3775, 0.7557



18.4011, 27.1973, 35.7427

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4.7117, 7.3775, 47.2635



14.3145, 7.3775, 0.7557



2.0065, 7.3775, 11.7117

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



14.3145, 7.3775, 0.7557



3.3673, 7.3775, 0.0000



2.7440, 7.3775, 29.4678



12.6363, 7.3775, 37.5061

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



14.3145, 7.3775, 0.7557



7.1489, 7.3775, 0.0000



2.7440, 7.3775, 29.4678



6.8770, 7.3775, 51.9304

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



14.3147, 7.3780, 0.7558



40.8371, 35.3923, 31.7693



19.5276, 9.3444, 33.5750



8.8066, 7.3926, 6.3704



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.3147, 7.3780, 0.7558



25.6278, 13.2091, 1.3099



16.7611, 12.2970, 1.4909



6.6378, 6.6481, 6.9440



11.3077, 5.8277, 0.6056



0.2035, 0.1047, 0.0177

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14.3147, 7.3780, 0.7558



25.6278, 13.2091, 1.3099



9.4919, 8.9707, 34.0318



6.6378, 6.6481, 6.9440



11.3077, 5.8277, 0.6056



0.2035, 0.1047, 0.0177

Previews

White Background



This preview shows how the XYZ color 14.3145, 7.3775, 0.7557 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.3145, 7.3775, 0.7557

Background



This preview shows how black text looks on a background with the XYZ color 14.3145, 7.3775, 0.7557.



This preview shows how white text looks on a background with the XYZ color 14.3145, 7.3775,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

14.3145, 7.3775, 0.7557

Protanopia

7.2205, 7.9651, 1.8663

Deuteranopia

7.9513, 7.9356, 1.1126



Tritanopia

14.2714, 7.6107, 0.7168

Trichromacy



Original Color

14.3145, 7.3775, 0.7557

Protanomaly

8.3333, 6.0442, 1.1429

Deuteranomaly

9.0885, 6.2537, 0.7568

Tritanomaly

14.2146, 7.4884, 0.7249

Monochromacy



Original Color

14.3145, 7.3775, 0.7557

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.7752, 3.1590, 1.7246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3145, 7.3775, 0.7557 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(159, 0, 3)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 3)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(159, 0, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 3) }
```

Border

The CSS property to change the border of an element to XYZ 14.3145, 7.3775, 0.7557 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 0, 3) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(159, 0, 3) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(159, 0, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(159, 0, 3); box-shadow:4px  
4px 4px 4px rgb(159, 0, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3145, 7.3775, 0.7557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 3) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(159, 0,  
3) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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